

HYDROXY FUNCTIONAL MONOACRYLATE

INTRODUCTION

EBECRYL® 117 is a low odor aliphatic mono-functional diluting acrylate. It is recommended for use in ultraviolet light (UV) or electron beam (EB) curable coatings to increase flexibility and improve adhesion.

PERFORMANCE HIGHLIGHTS

EBECRYL® 117 is characterized by:

- Low odor
- Low viscosity
- High flexibility
- Reactive through hydroxyl group

UV/EB cured coatings based on EBECRYL® 117 are characterized by the following performance properties:

- Good flexibility
- Good adhesion
- Low residual odor

The properties of UV/EB cured products also depend on the choice of the other formulation components, such as reactive diluent(s), oligomer(s), additives and photo initiators.

SUGGESTED APPLICATIONS

EBECRYL® 117 has been developed for the formulation of dual cure coatings and to improve adhesion of acrylic resins.

EBECRYL® 117 is recommended for use in:

- acrylic adhesives
- acrylic paints
- improve adhesion onto melamine

TYPICAL VALUES

Viscosity, 25°C, mPa.s	~70
Colour, Apha	100
Hydroxyl value, mg KOH/g	160
Tg of homopolymer, °C, estimate	-50

PRECAUTION

The following is a summary of the precautions to be taken when handling this product. Please refer to the Safety Data Sheet for further details.

The toxicological properties of this material have not been fully determined. Products of this type can be expected to be eye and skin irritants and have the potential to cause sensitization or other allergic responses. Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapours. Consult the relevant Safety Data Sheet for appropriate handling procedures and protective equipment prior to using this or any other material referred to in this bulletin.

See Safety Data Sheet for emergency and first aid procedures

STORAGE AND HANDLING

Care should be taken not to expose radiation curable products to temperatures exceeding 40°C for prolonged periods or to direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat.

Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Do not store this material under an oxygen free atmosphere. Use dry air to displace material removed from the container. This material should not be stored for more than 2 years.

STATUTORY LABELING

Please refer to Safety Data Sheet.